

STAAR Alternate 2 Spring 2015 and 2016 Grade 3 Mathematics Essence Statements

| STAAR Reporting Category 1 | STAAR Reporting Category 2 | STAAR Reporting Category 3 | STAAR Reporting Category 4 |
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| Numerical Representations and Relationships: The student will demonstrate an understanding of how to represent and manipulate numbers and expressions. | Computations and Algebraic Relationships: The student will demonstrate an understanding of how to perform operations and represent algebraic relationships. | Geometry and Measurement: The student will demonstrate an understanding of how to represent and apply geometry and measurement concepts. | Data Analysis and Personal Financial Literacy: The student will demonstrate an understanding of how to represent and analyze data and how to describe and apply personal financial concepts. |
| <p>Knowledge and Skills Statement</p> <p>(3.2) Number and operations. The student applies mathematical process standards to represent and compare whole numbers and understand relationships related to place value. (Readiness and Supporting Standard)</p> <p>Essence Statement Uses whole number relationships to demonstrate an understanding of place value.</p> | <p>Knowledge and Skills Statement</p> <p>(3.4) Number and operations. The student applies mathematical process standards to develop and use strategies and methods for whole number computations in order to solve problems with efficiency and accuracy. (Readiness and Supporting Standard)</p> <p>Essence Statement Solves problems using operations involving whole numbers.</p> <p style="text-align: center;">~~~~~</p> <p>Knowledge and Skills Statement</p> <p>(3.5) Algebraic reasoning. The student applies mathematical process standards to analyze and create patterns and relationships. (Readiness and Supporting Standard)</p> <p>Essence Statement Models or solves problems involving whole number relationships.</p> | <p>Knowledge and Skills Statement</p> <p>(3.7) Geometry and measurement. The student applies mathematical process standards to select appropriate units, strategies, and tools to solve problems involving customary and metric measurement. (Readiness and Supporting Standard)</p> <p>Essence Statement Solves problems involving perimeter, time, liquid volume (capacity), or weight.</p> | <p>Knowledge and Skills Statement</p> <p>(3.8) Data analysis. The student applies mathematical process standards to solve problems by collecting, organizing, displaying, and interpreting data. (Readiness and Supporting Standard)</p> <p>Essence Statement Uses graphs to organize and interpret data.</p> <p style="text-align: center;">~~~~~</p> <p>Knowledge and Skills Statement</p> <p>(3.9) Personal financial literacy. The student applies mathematical process standards to manage one's financial resources effectively for lifetime financial security. (Supporting Standard)</p> <p>Essence Statement Recognizes how money can be earned, spent, and saved.</p> |